



Endorsement: 448 Agriculture Education
Endorsement: 449 Agriscience (Must have 448)
Retired Endorsements: 048, 049

Requirements:

- Agriculture degree from a Tennessee Department of Education approved university
- Student teaching
- College recommendation
- Praxis Exam 700 with a score of 530 or above

Agriculture Education (488) Tennessee Department of Education approved universities:

- Middle Tennessee State University
- Tennessee Technological University
- University of Tennessee at Knoxville
- University of Tennessee at Martin

Agriscience (449) Tennessee Department of Education approved Universities:

- Middle Tennessee State University
- Tennessee Technological University
- University of Tennessee at Knoxville
- University of Tennessee at Martin

Licensure Requirements for Teaching Agriscience:

- Have a valid Tennessee Teaching License with an endorsement in Agriculture Education and either Agriscience or Biology: (048 and 015), (048 and 016), (048 and 017), (048 and 081), (048 and 211), (048 and 212), (048 and 213), (048 and 214), (048 414), (049 and 415), (048 and 416), (048 and 417), (048 and 418), 048 and 449) or 448 and 015), (448 and 016), (048 and 017), (448 and 081), (448 and 211), 448 and 212), 448 and 213), (448 and 214), (448 and 414), (448 and 415), 448 and 416), (448 and 417), 448 and 418), 448 and 449)
- Complete 40 hours of Agriscience Methodology training
- Highly qualified in biology



Current endorsements: 522, 523, 524, 527, 531, 584, 598

Retired endorsements: 043, 044, 053, 078, 501, 502, 525, 526, 528, 530, 532

Requirements:

- Completed application
- Verification of five years full time work experience accrued in the occupational area within the past eight years
- Official/original transcript with the highest degree earned in the endorsement area you are seeking (GED, High school, College, University)

Alternative work experience routes:

- Credentialed (certificate or diploma) post secondary training in the endorsed area, or associate degree, or industry certification may substitute for two (2) years work experience. In addition, applicant must also have at least three (3) years of work experience in the endorsed area in the last eight (8) years; or
- A combination of an associate degree related to the endorsed area and industry certification may be substituted for four (4) years of work experience. In addition, applicant must have at least one (1) year of work experience in the endorsed area in the last eight (8) years for a total of five (5) years; or
- A bachelor's degree or higher in the endorsed area may be substituted for four (4) years of work experience. In addition, applicant must also have a least one (1) year of work experience in the endorsed area in the last eight (8) years for a total of five (5) years.

Industry certification:

National Center for Construction Education and Research (NCCER) carpentry for 522

National Center for Construction Education and Research (NCCER) electricity for 523

National Center for Construction Education and Research (NCCER) masonry for 524

National Center for Construction Education and Research (NCCER) plumbing for 527

American Design Drafting Association (ADDA) for 531

Autodesk Certification for 531

American Welding Society (AWS) for 584

Bureau of Apprenticeship and Training (BAT) for 584

Certified Welding Educator (CWE) Certification for any other endorsement

National Center for Construction Education and Research (NCCER) welding for 584

Bureau of Apprenticeship and Training (BAT) for 598

National Center for Construction Education and Research (NCCER) HVAC for 598

HVAC Excellence for 598



Current endorsements: 543, 597
Retired Endorsements: 230, 311, 435, 475, 518,
519, 520, 521, 537, 538, 576, 583

Requirements:

- Completed application
- Verification of five years full time work experience accrued in the occupational area within the past eight years
- Official/original transcript with the highest degree earned in the endorsement area you are seeking (GED, High school, College, University)

Alternative work experience routes:

- Credentialed (certificate or diploma) post secondary training in the endorsed area, or associate degree, or industry certification may substitute for two (2) years work experience. In addition, applicant must also have at least three (3) years of work experience in the endorsed area in the last eight (8) years; or
- A combination of an associate degree related to the endorsed area and industry certification may be substituted for four (4) years of work experience. In addition, applicant must have at least one (1) year of work experience in the endorsed area in the last eight (8) years for a total of five (5) years; or
- A bachelor's degree or higher in the endorsed area may be substituted for four (4) years of work experience. In addition, applicant must also have a least one (1) year of work experience in the endorsed area in the last eight (8) years for a total of five (5) years.

Industry Certification:

American Design Drafting Association (ADDA)

Digital Technician Industry Certification

Pro Tools Industry Certification

Qualifying occupations or work experience for endorsement 543*:

- Desktop publishers
- Commercial artist
- Graphic designers
- Photographer
- Page composition
- Image conversion
- Digital printing
- Electronic publishing
- Digital imaging

Licensure Requirements by Career Cluster

- Press operations and finishing

Qualifying occupations or work experience for endorsement 597*:

- Electronic engineering
- Electronic recording
- Electronic concept design and creation
- Audio/video technology
- Sound board networking
- Sound board operations
- Audio/video/DVD networking
- Camera operators
- Film and video editors
- Broadcaster with production experience
- Studio production manager

*Endorsements 543 and 597 are open to individuals with work experience that may include but not be limited to the above occupations.



Current endorsements: 474, 475, 476

Retired endorsements: 031, 032, 034, 037, 041, 055, 056, 057, 201, 203, 204, 311, 430, 432, 433, 435, 436

Requirements:

- Business degree from a Tennessee Department of Education approved college
- Student teaching experience
- Recommendation from a Tennessee Department of Education approved college
- Praxis Exam 0101 with a score of 154 or above
- A 475 endorsement requires an applicant to have a 474 plus nine hours of approved technology coursework from a Tennessee Department of Education approved college

Business Education (474) approved colleges/universities:

- Carson Newman College
- Crichton College
- Cumberland University
- Freed-Hardeman University
- Lambuth University
- Lane College
- Lee College
- Lincoln Memorial University
- Martin Methodist College
- Middle Tennessee State University
- Milligan College
- Tennessee State University
- Trevecca Nazarene University
- Tusculum College
- Union University
- University of Memphis
- University of Tennessee at Martin

Business Technology (475) approved colleges/universities:

- Carson Newman College
- Cumberland University
- Freed-Hardeman University

Licensure Requirements by Career Cluster

- Lambuth University
- Lee University
- Lincoln Memorial University
- Martin Methodist College
- Middle Tennessee State University
- Milligan College
- Tennessee State University
- Union University
- University of Memphis
- University of Tennessee Martin



Current endorsement: 450

Requirements:

- Bachelor's degree in Family and Consumer Sciences
- Student teaching
- College recommendation
- Praxis Exam 0121 with a passing score of 157 or above

Education & Training (450) Tennessee Department of Education approved universities

- Carson Newman College
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Technological University
- University of Tennessee at Martin



Current endorsements: 474, 475, 476

Retired endorsements: 031, 032, 034, 037, 041, 055, 056, 057, 201, 203, 204, 311, 430, 432, 433, 435, 436

Requirements:

- Business degree from a Tennessee Department of Education approved college
- Student teaching experience
- Recommendation from a Tennessee Department of Education approved college
- Praxis Exam 0101 with a score of 154 or above
- A 475 endorsement requires an applicant to have a 474 plus nine hours of approved technology coursework from a Tennessee Department of Education approved college

Current Personal Finance Endorsements: 472, 474, 475, 476, 450

Retired Personal Finance Endorsements: 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 041, 050, 051, 052, 054, 055, 056, 057, 201, 202, 203, 204, 311, 430, 431, 432, 433, 434, 435, 436, 471



Current endorsement: Coming Soon!

Requirements: To Be Determined

Industry Certification: To Be Determined



Current Endorsement: 577

Retired Endorsements: 587, 588

Requirements:

- Completed application
- Verification of one (1) year successful employment experience, obtained through full-time or part-time status, within the past five years in a state approved health care facility. Work experience must be submitted as an original letter on company letterhead or on a notarized Verification of Occupational Experience Form.
- Official/original transcript (health Science applicants must hold an associate degree or higher)
- Notarized copy of current/valid Tennessee Registered Nurse or Allied Health License obtained by an associate degree

Industry Certification:

License, registration or certification in an allied health occupation, or as a registered nurse, or in an appropriate medical profession in Tennessee that can be verified by Tennessee Department of Health Licensure or a national license accreditation agency

Qualifying Occupations with an associate degree or above:

- Registered Nurse
- Physician
- Chiropractor
- Dentist
- Dental Hygienist
- Medical Laboratory Technician
- Paramedic
- Athletic Trainer
- Occupational Therapist
- Physical Therapist
- Respiratory Therapist
- Radiology Technician
- Diagnostic Medical Sonographer
- Nuclear Medicine Technologist
- Audiologist
- Veterinarian
- Pharmacist



Current endorsements: 450, 453, 562

Retired endorsements: 050, 051 563, 564, 565, 566

Requirements for endorsements 450 and 453*:

- Family and Consumer Science bachelor's degree
- Student teaching
- College recommendation
- Praxis Exam 0121 with a passing score of 157 or above

*Add on endorsement 453 requires the 450 endorsement as well as completion of 12 hours of specified coursework at a Tennessee Department of Education approved university.

453 Food Production Management approved universities:

- Carson Newman College
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Technological University
- University of Tennessee Martin

Requirements for endorsement 562:

- Completed application
- Verification of five years full time work experience accrued in the occupational area within the past eight years
- Official/original transcript with the highest degree earned in the endorsement area you are seeking (GED, High school, College, University)

Alternative work experience routes for 562:

- Credentialed (certificate or diploma) post secondary training in the endorsed area, or associate degree, or industry certification may substitute for two (2) years work experience. In addition, applicant must also have at least three (3) years of work experience in the endorsed area in the last eight (8) years; or
- A combination of an associate degree related to the endorsed area and industry certification may be substituted for four (4) years of work experience. In addition, applicant must have at least one (1) year of work experience in the endorsed area in the last eight (8) years for a total of five (5) years; or

Licensure Requirements by Career Cluster

- A bachelor's degree or higher in the endorsed area may be substituted for four (4) years of work experience. In addition, applicant must also have a least one (1) year of work experience in the endorsed area in the last eight (8) years for a total of five (5) years.

Industry certification:

- Serve-Safe
- National Registry of Food Safety Professionals
- Culinary Chef Educator (CCE)



Current endorsements: 450, 451*, 452*, 560, 561

Retired endorsements: 050, 051, 058, 059, 060, 061, 062

Requirements:

- Bachelors degree in Family and Consumer Sciences
- Student teaching
- College recommendation
- Praxis Exam 0121 with a passing score of 157 or above

*Add on endorsements 451 and 452 require the 450 endorsement as well as completion of 12 hours of specified coursework at a Tennessee Department of Education approved university

451 Early Childhood Care and Services approved universities:

- Carson Newman College
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Technological University
- University of Memphis
- University of Tennessee Martin

452 Clothing Management and Production approved universities:

- Tennessee State University
- University of Tennessee Martin

560 Barbering requirements:

- A current/valid Tennessee Barbering Instructor License issued by the state board of Cosmetology/Barber Examiners
- Provide verification of three years full time work experience out of the past eight
- Provide an official/original transcript reflecting your barbering degree
- A completed application

561 Cosmetology requirements:

- A current/valid Tennessee Cosmetology Instructor License issued by the state board of Cosmetology/Barber Examiners
- Provide verification of three years full time work experience out of the past eight
- Provide an official/original transcript reflecting your cosmetology degree



**Information
Technology**

- Network Systems
- Information & Support Services
- Programming & Software Development
- Web & Digital Communications

Current endorsements: 475, 595

Retired endorsements: 311, 435, 436, 582,

Requirements:

- Completed application
- Verification of five years full time work experience accrued in the occupational area within the past eight years
- Official/original transcript with the highest degree earned in the endorsement area you are seeking (GED, High school, College, University)

Alternative work experience routes:

- Credentialed (certificate or diploma) post secondary training in the endorsed area, or associate degree, or industry certification may substitute for two (2) years work experience. In addition, applicant must also have at least three (3) years of work experience in the endorsed area in the last eight (8) years; or
- A combination of an associate degree related to the endorsed area and industry certification may be substituted for four (4) years of work experience. In addition, applicant must have at least one (1) year of work experience in the endorsed area in the last eight (8) years for a total of five (5) years; or
- A bachelor's degree or higher in the endorsed area may be substituted for four (4) years of work experience. In addition, applicant must also have a least one (1) year of work experience in the endorsed area in the last eight (8) years for a total of five (5) years.

Industry certifications:

- A+
- CISCO
- CIW
- CIW Association Foundation
- CIW Site Designer
- CIW eCommerce Designer
- NetPlus

Qualifying occupations for endorsement 595*:

- Web page design
- Host web manager

Licensure Requirements by Career Cluster

- Web master
- Computer networking
- Network designer
- Computer maintenance
- Computer engineer
- Cable technician
- Telecommunication technician
- Computer system analysis
- Information technology systems manager
- Computer support specialist

*Endorsement 595 is open to individuals with work experience that may include but not limited to the above occupations.

**Law, Public Safety,
Corrections, &
Security**

- Legal Services
- Emergency & Fire Management
- Security & Protective Services
- Law Enforcement

Current Endorsement: 590 (Legal and Protective Services), 577 (Paramedic)

Requirements:

- Completed application
- Verification of five years full time work experience accrued in the occupational area within the past eight years (This will change based on the final reading from the State Board of Education)
- Official/original transcript with the highest degree earned in the endorsement area you are seeking (GED, High school, College, University)

Alternative work experience routes:

- Credentialed (certificate or diploma) post secondary training in the endorsed area, or associate degree, or industry certification may substitute for two (2) years work experience. In addition, applicant must also have at least three (3) years of work experience in the endorsed area in the last eight (8) years; or
- A combination of an associate degree related to the endorsed area and industry certification may be substituted for four (4) years of work experience. In addition, applicant must have at least one (1) year of work experience in the endorsed area in the last eight (8) years for a total of five (5) years; or
- A bachelor's degree or higher in the endorsed area may be substituted for four (4) years of work experience. In addition, applicant must also have a least one (1) year of work experience in the endorsed area, paid or unpaid in the field of criminal justice, in the last eight (8) years for a total of five (5) years; or
- Five (5) years of full time work experience accrued in the occupational area of endorsement within the last eight (8) years.
- A master's degree or higher in criminal justice may be substituted for the five (5) years of work experience in criminal justice.

Industry Certification:

- Tennessee POST Certification for Educators

Qualifying Occupations:

- Police Officer
- Sheriff
- TBI/FBI Officer
- Military Police
- Wildlife Officer

Licensure Requirements by Career Cluster

- Correctional Officer
- Crime Scene Investigator
- Lawyer
- Judge with law or criminal justice degree
- Individual with a Bachelor of Science degree, Criminal Justice with one year paid or unpaid work experience
- Individual with a Master degree, Criminal Justice

Requirements for 577:

- Completed application
- Verification of one (1) year full time employment experience, obtained through full-time or part-time status, within the past five years in a state approved health care facility. Work experience must be submitted as an original letter on company letterhead or on a notarized Verification of Occupational Experience Form.
- Official/original transcript (health Science applicants must hold an associate degree or higher)
- Notarized copy of current/valid Tennessee Registered Nurse or Allied Health License

Industry Certification:

License, registration or certification in an allied health occupation, or as a registered nurse, or in an appropriate medical profession in Tennessee that can be verified by Tennessee Department of Health Licensure or a national license accreditation agency

Qualifying Occupations with an associate degree or above:

- Paramedic



Current Endorsements: 531 (drafting), 584 (welding), 596 (manufacturing)

Retired endorsements: 537, 551, 552, 553, 554, 555, 556, 575, 582, 585

Requirements:

- Completed application
- Verification of five years full time work experience accrued in the occupational area within the past eight years
- Official/original transcript with the highest degree earned in the endorsement area you are seeking (GED, High school, College, University)

Alternative work experience routes:

- Credentialed (certificate or diploma) postsecondary training in the endorsed area, or associate degree, or industry certification may substitute for two (2) years work experience. In addition, applicant must also have at least three (3) years of work experience in the endorsed area in the last eight (8) years; or
- A combination of an associate degree related to the endorsed area and industry certification may be substituted for four (4) years of work experience. In addition, applicant must have at least one (1) year of work experience in the endorsed area in the last eight (8) years for a total of five (5) years; or
- A bachelor's degree or higher in the endorsed area may be substituted for four (4) years of work experience. In addition, applicant must also have a least one (1) year of work experience in the endorsed area in the last eight (8) years for a total of five (5) years.

Industry Certification for endorsement 531:

American Design Drafting Association (ADDA)

Autodesk Certification

Qualifying occupations:

- Architect
- Individual with experience in the following areas: technical drawings, scale drawings, orthographic projection, two and three dimensional drawings, manual drafting and computer aided design skills

Industry Certification for 584:

Bureau of Apprenticeship and Training (BAT)

American Welding Society (AWS)

National Center for Construction Education and Research (NCCER) welding

Qualifying occupations:

- Individual with experience in blueprint reading, layout and fabrication using oxy-fuel cutting SMAW, FCAW, GMAW, GTAW processes on various metals

Industry Certification for endorsement 596*:

National Institute for Metalworking Skills (NIMS)

Qualifying occupations:

- Engineer
- Plant manager
- Industrial production manager
- Computer aided drafting (CAD) certified individual
- Industrial maintenance
- Machinist
- Numerical control machine tool programmer
- Electronic engineer
- Cabinetmaking and millworker
- Electronic technician
- Electronic semi-conductor processor

*Endorsement 596 is open to individuals with work experience that may include but not be limited to the above occupations.



Current Endorsement: 472

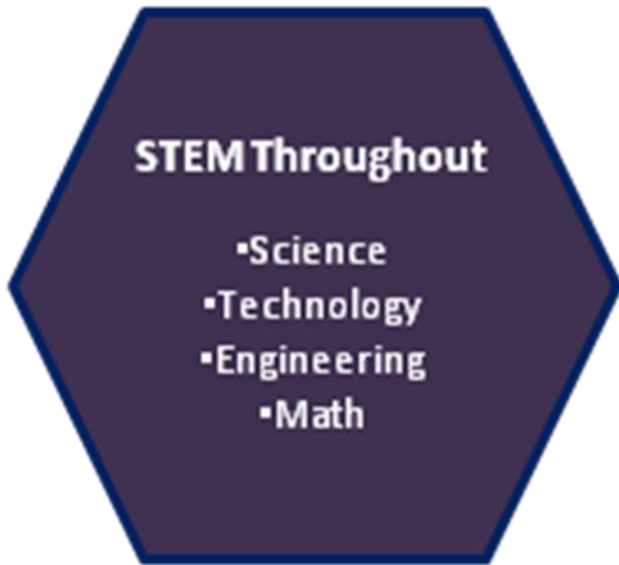
Retired Endorsements: 052, 471

Requirements:

- Marketing degree from an approved Tennessee Department of Education university
- Student teaching experience
- Recommendation from college
- Praxis Exam 0561 with a score of 160 or above

Approved universities

- Middle Tennessee State University
- Tennessee State University
- Union University
- University of Memphis
- Trevecca Nazarene University (for add endorsement on only with bachelors degree)



Current endorsement: 477

Retired Endorsements must hold two of the following: (070, 230, 231, 232, 233, 470, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079).

Requirements:

- Graduate from an approved Technology Education or Technology Engineering program from an accredited university with a minimum of a bachelors degree
- Pass the Praxis in Technology Education (Exam 0051) with a qualifying score of 156
- Complete the state approved, five day pedagogy training
- Complete the one day safety training prior to teaching
 - Instructors are required to attend training only one time

State Hiring Standards for teachers who hold a bachelor's degree and a current professional teaching license in English, Mathematics, Science, or Special Education

- Must meet the following guidelines prior to teaching STEM
 - Have one of the following endorsements: 001, 007, 013, 014, 015, 016, 017, 018, 081, 101, 105, 210, 211, 212, 213, 214, 407, 413, 415, 416, 417, 418, 440, 460, 461, 480, 481, 482, or 483
 - Pass the Praxis in Technology Education (Exam 0051) with a qualifying score of 156
 - Complete the add on endorsement application requesting endorsement 477
 - Complete the state approved, five day pedagogy training
 - Complete the one day safety training prior to teaching this course
 - Instructors are required to attend training only one time

Teaching STEM with a degree in Engineering:

Individuals with an engineering degree must

- Apply for an Interim license
 - This is issued at the request of the superintendent/director of schools of a Tennessee school district to an individual who is employed while still completing specific licensure requirements.
 - The license is issued for one school year at a time and always expires on Aug. 31 following the academic school year for which it is issued.
- Have transcripts evaluated by
 - Dr. Chip Harris, Tennessee State University, or

Licensure Requirements by Career Cluster

- Dr. Rick Grubb, Lincoln Memorial University, or
 - Dr. John Vaglia, East Tennessee State University
- Be assigned a program of study by the university

Teaching STEM for those who qualify for an endorsement in mathematics or science:

- Complete the state approved, five day training prior to teaching
- Complete the state approved, one day safety training prior to teaching
- Complete and submit the application for a transitional license
- Pass the Praxis in Mathematics or Science with a qualifying score prior to completing their 18 hours
- Once they have been issued a professional license and endorsement in either Mathematics or Science they have meet the hiring standard
- Obtain a recommendation after teaching the STEM for a full year

Pass the Praxis Specialty in Technology Education Examination (0051) with a qualifying score of 156 prior to completing their 18 semester hours

Complete the add on endorsement application requesting endorsement 477

Requirements for Apprentice Occupational Licensed Teachers:

Teachers with a bachelor's degree and an apprentice occupational education license (in the process of completing the 18 hours teacher preparation program) must do the following:

- Complete the state approved, five day training prior to teaching any TEE course
- Complete the state approved, one day safety training prior to teaching any TEE course
- Pass the Praxis Specialty in Technology Education Exam (0051) with a qualifying score of 156 prior to completing their 18 semester hours
- Pass the Praxis 0634, Principles of Learning and Teaching (PLT) 7-12 with a score of 155 or above prior to completing their 18 semester hours
- Complete the add on endorsement application requesting endorsement 477

Requirements for Professional Occupational Licensed Teachers:

Occupational licensed teachers who hold a bachelor's degree and a professional occupational license (have already completed the 18 teacher preparation program) must do the following prior to teaching any TEE course:

- Complete the state approved, five day training
- Complete the state approved, one day safety training
- Complete and submit the application for transitional license
- Pass the Praxis Specialty in Technology Education Exam (0051) with a qualifying score of 156 prior to completing their 18 semester hours
- Pass the Praxis 0624, Principles of Learning and Teaching (PLT) 7-12 with a score of 155 or above prior to completing their 18 hours
- Complete the add on endorsement application requesting endorsement 477



Current endorsement: 503, 507, 508, 512, 568, 581, 594

Retired endorsements: 506, 513, 534, 579

Requirements:

- Completed application
- Endorsements 512 requires the applicant to hold one of the following current/valid license: Federal Aviation Administration (FAA), Airframe and Powerplant (A&P), Inspector Authorization (IA)
- Endorsement 594 requires the applicant to hold one of the following current/valid license: Federal Aviation Administration (FAA) Ground School Certification or Pilot Instructor License
- Verification of five years full time work experience accrued in the occupational area within the past eight years
- Official/original transcript with the highest degree earned in the endorsement area you are seeking (GED, High school, College, University)

Alternative work experience routes:

- Credentialed (certificate or diploma) post secondary training in the endorsed area, or associate degree, or industry certification may substitute for two (2) years work experience. In addition, applicant must also have at least three (3) years of work experience in the endorsed area in the last eight (8) years; or
- A combination of an associate degree related to the endorsed area and industry certification may be substituted for four (4) years of work experience. In addition, applicant must have at least one (1) year of work experience in the endorsed area in the last eight (8) years for a total of five (5) years; or
- A bachelor's degree or higher in the endorsed area may be substituted for four (4) years of work experience. In addition, applicant must also have a least one (1) year of work experience in the endorsed area in the last eight (8) years for a total of five (5) years.

Industry certifications:

Automotive Service Excellence (ASE) A-4 (suspension and steering)
Automotive Service Excellence (ASE)A-5 (brakes systems)
Automotive Service Excellence (ASE)A-6 (electronic systems)
Automotive Service Excellence (ASE)A-8 (engine performance)
Automotive Service Excellence (ASE)B-2 (collision repair, paint, and refinishing)
Automotive Service Excellence (ASE)B-3 (collision repair: non structural)
Automotive Service Excellence (ASE)B-4 (collision repair: structural)
Automotive Service Excellence (ASE)T-2 (diesel engine)
Automotive Service Excellence (ASE)T-6 (diesel electrical/electronics)
Automotive Service Excellence (ASE)T-8 (diesel preventative maintenance)
Equipment Engine Training Council (EETC)

Licensure Requirements by Career Cluster

Federal Aviation Administration (FAA)

Inter-Industry Conference on Auto Collision Repair (I-CAR)